CONIPROOF 513

Two-part PUR sealing lacquer, pigmented, satin, solvent borne, UV- and colour stable, elastic, for using on waterproofing membranes outdoor

Product description

CONIPROOF 513 is an aliphatic, solvent borne, low viscous, highly elastic pigmented 2-component PUR sealer with a satin finish.

Fields of applications

CONIPROOF 513 is used as a UV protection and weather-resistant elastic sealant on waterproofing membranes for outdoor applications.

Properties

CONIPROOF 513 has a good adhesion spectrum on non-absorbent elastic CONIPROOF waterproofing layers (CONIPROOF 401, CONIPROOF 410, CONIPROOF 413 and 414).

The material is easy to process and serves to improve the UV resistance and the optical properties.

After the curing process, CONIPROOF 513 stands out in addition to the mechanical properties by good water, sea water and wastewater strength as well as good resistance against a multiplicity of bases, dilute acids, salt solutions, mineral oils, lubricants, and fuels and is used in the systems

- CONIPROOF SU (CONIPROOF 401)
- CONIPROOF SP (CONIPROOF 410)
- CONIPROOF SP hand applied (CONIPROOF 413/414)

and used in other CONIPROOF waterproofing systems.

Technical Data

Mixing ratio	in parts by weight		100 : 19
Solid content		%	64
Density	component A, at 23 °C	g/cm³	1.24
	component B, at 23 °C	g/cm³	1.15
	mix, at 23 °C	g/cm³	1.27
Viscosity	mix, 4 mm DIN cup, at 23 °C	s	90
Application time	at 23 °C	min	60
Re-coating interval	minimum, at 23 °C	h	24
	maximum, at 23 °C	d	3
Dust dry after	at 23 °C	h	1
Fast to handling	at 23 °C	h	5
Ready for foot traffic	at 23 °C	h	24
Fully cured, ready for exposure to traffic	at 23 °C	d	5
Substrate and application temperature	minimum	°C	10
	maximum	°C	30
Permissible relative humidity	maximum	%	80

Above figures are guide values and should not be used as a base for specifications!

Application method

Please also note the information in our general processing guidelines.

CONIPROOF 513 is supplied in the correct proportions of component A (resin) and component B (hardener).

Before mixing, the A component must be stirred up by machine, then the B component is poured into the container of the A component.

Care must be taken to ensure that the B component leaks completely, while carefully scraping out the container of spatulas. First, the B component is poured into the container of the A component. Care must be taken to ensure that the B component leaks completely, while carefully scraping out the container of spatulas.
To achieve a homogenous mix, thoroughly mix with a slow rotating mixing device at about 300 rev/min. Ensure that the mixing device reaches the side and bottom areas of the mixing vessel.

The mixing process takes at least 2 minutes and should be performed until the blend is homogenous and streak free.

Pour the mix into another clean pail and mix it again for one additional minute.

The temperature of both components should be between +15 - +25°C.

CONIPROOF 513 is applied to the pre-treated substrate by spraying. The material can be applied with a paint roller as well.

CONIPROOF 513 is normally sprayed by using a low-pressure airless spraying machine.

To obtain a uniform sealing lacquer on elastic coatings CONIPROOF 513 must be sprayed in min. 2 coats from opposite directions.

The pot life and curing time of CONIPUR CONIPROOF 513 are influenced by the ambient, material and substrate temperature. At low temperatures, chemical reactions are generally slowed down; this lengthens the pot life, re-coating interval and open time. At the same time, the viscosity increases which leads to a higher consumption. High temperature and humidity accelerate chemical reactions, so the contrary is true. Direct sunlight shortens the periods considerably.

After application, the material should be protected from direct contact with water for approx. 12 hours (at 20 °C). Within this period, water could cause foaming of the sealing lacquer.

Consumption

The consumption of CONIPROOF 513 is approx. 0.13 – 0.15 kg/m2.

Cleaning agent

Re-usable tools should be cleaned carefully with CLEANER 40 or other suitable solvents (e.g., butyl acetate). Never use water or alcoholic solvents as cleaners.

Substrate condition

CONIPROOF 513 is applied to highly elastic membranes CONIPROOF 401, CONIPROOF 410 and CONIPROOF 413/414.

Substrates to be coated have to be firm, dry, load bearing and free of loose and brittle particles and substances, which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants.

Pre-treatment of the substrate by e.g. grinding or sanding (smooth floors only) is only necessary if the coating is very dirty, when applied onto old coatings or if the re-coating interval has been exceeded.

The temperature of the substrate must be at least 3 °C above the current dew point temperature.

Pack size

CONIPROOF 513 is supplied in 9.9 kg and 29.8 kg working packs. Component A and B are supplied separately in the correct proportions.

Colour

ca. RAL 7023, 7030, 7035, others on request

Storage

Store in original closed packing under dry conditions at a temperature range of 15 - 25 °C. Do not expose to direct sunlight.

Before use, please see "best before" date on the pail / drum.

Safety precautions

CONIPROOF 513 is non-hazardous in its cured condition.

For protective measures, transport regulations and waste management please refer to the Material Safety Data Sheet of the product.

CONIPROOF 513 meets the requirements of the EC directive 2004/42/EC.
The limit value for products ready for use (product type according to table IIA j Type sb) is:
Level II (from 2010) <500 g/l VOC.
When ready to use, this product contains less than 500 g/l VOC.

CE and UKCA marking:
See Declaration of Performance

CONICA AG
Industriestrasse 26
8207 Schaffhausen
Suisse

Tel.: + 41 52 644 3600
Fax: + 41 52 644 3699
info@conica.com
www.conica.com